This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-31 have been cancelled.

32. (**Previously Presented**) A biocompatible bone graft material comprising biocompatible, resorbable collagen and calcium phosphate, the biocompatible bone graft material having macro-, meso-, and microporosity.

33. (**Original**) The bone graft material of claim 32 wherein said collagen is Type I bovine collagen.

34. (**Original**) The bone graft material of claim 32 wherein said phosphate and collagen have a mass ratio of about 90:10 to about 70:30.

35. (**Original**) The bone graft material of claim 34 wherein said phosphate and collagen have a mass ratio of about 85:15 to about 75:25

36. (**Original**) The bone graft material of claim 32 having up to about 30% by weight of collagen.

37. (**Original**) The bone graft material of claim 32 having up to about 20% by weight of collagen.

38. (**Original**) The bone graft material of claim 32 having up to about 10% by weight of collagen.

39. (**Original**) The bone graft material of claim 32 wetted with a fluid comprising bone marrow aspirate, blood, or saline.

40. (**Original**) The bone graft material of claim 32 having a cylindrical, block, or discoid shape.

41. (**Previously Presented**) The bone graft material of claim 40 also comprising a metal mesh.

42. (**Original**) The bone graft material of claim 41 wherein said metal comprises titanium.

43. (**Original**) The bone graft material of claim 32 wherein the bone graft material is shredded.

Claims 44-62 have been cancelled.

63. (**Previously Presented**) A bone graft for long bone reinforcement comprising a biocompatible, resorbable sleeve of collagen and beta-tricalcium phosphate, the graft having interconnected macro-, meso-, and microporosity.

64. (**Original**) The bone graft of claim 63 further comprising a mesh affixed to the surface of the sleeve.

65. (**Original**) The bone graft of claim 63 wherein said mesh is immersed in the graft.

66. (**Original**) The bone graft of claim 64 wherein the mesh is of titanium, stainless steel, nitinol, a composite polymer, or polyetheretherketone.

67. (**Cancelled**)

68. (**Currently Amended**) The bone graft of claim 63 wherein the beta-tricalcium phosphate and ~~polymer~~ collagen are in a mass ratio of about 90:10 to about 70:10.

69. (**Currently Amended**) The bone graft of claim 63 wherein the beta-tricalcium phosphate and ~~polymer~~ collagen are in a mass ratio of about 85:15 to about 75:25.

70. (**Original**) The bone graft of claim 63 wherein the cross-section of the sleeve is in the shape of a crescent shape moon.

71. (**Previously Presented**) A graft for the restoration of bone in the form of a shaped body, the shaped body comprising a homogenous composite of polymer and beta-tricalcium

phosphate, the graft having interconnected macro-, meso-, and microporosity; the shaped body being selected to conform generally to a mammalian, anatomical tissue structure; and further comprising a mesh affixed to a side of the composite.

72. (**Cancelled**)

73. (**Previously Presented**) The graft of claim 71 wherein the mesh is of titanium, stainless steel, nitinol, a composite polymer, or polyetheretherketone.

74. (**Previously Presented**) The graft of claim 71 wherein the polymer is collagen.

75. (**Previously Presented**) The graft of claim 71 wherein the body shape is a disk, semi-sphere, semi-tubular, or torus.

76. (**Previously Presented**) The graft of claim 71 wherein the body shape conforms to the acetabulum.

77. (**Previously Presented**) The graft of claim 71 wherein the beta-tricalcium phosphate and polymer are in a mass ratio of about 90:10 to about 70:10.

78. (**Original**) The graft of claim 77 wherein the beta-tricalcium phosphate and polymer are in a mass ratio of about 85:15 to about 75:25.